

OATEY 40/60 ACID CORE WIRE SOLDER

Latest Revision Date...06/06/00

Date of Issue.....06/14/02

Section 1

IDENTITY OF MATERIAL

TRADE NAME..... OATEY 40/60 ACID CORE WIRE SOLDER

PRODUCT NUMBERS... 21115, 21128, 50193, 50429, 53011, 53015 48301, 48302

FORMULA..... 40/60

SYNONYMS..... Acid Core 40/60 Solder

SECTION 2

HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>%</u>	<u>CAS NUMBER</u>	<u>SEC 311</u>
Tin	40%	7440-31-5	No
Lead	59.9%	7439-92-1	Yes
Acid Flux	<1%	N/A	No

SECTION 3

KNOWN HAZARDS UNDER 29 CFR 1910.1200

<u>HAZARDS</u>	<u>YES</u>	<u>NO</u>	<u>HAZARDS</u>	<u>YES</u>	<u>NO</u>
Combustible Liquid		x	Skin Hazard	x	
Flammable Material		x	Eye Hazard	x	
Pyrophoric Material		x	Toxic Agent	x	
Explosive Material		x	Highly Toxic Agent		x
Unstable Material		x	Sensitizer		x
Water Reactive Material		x	Kidney Toxin	x	
Oxidizer		x	Reproductive Toxin	x	
Organic Peroxide		x	Blood Toxin	x	
Corrosive Material		x	Nervous System Toxin	x	
Compressed Gas		x	Lung Toxin	x	
Irritant	x		Liver Toxin	x	
Carcinogen NTP/IARC/OSHA	x				

SECTION 4

REGULATION

<u>CHEMICAL</u>	<u>TLV (TWA)</u>	<u>PEL</u>	<u>STEL</u>	<u>Hazard Action Level</u>
Tin	2.00 mg/cu m	2.00 mg/cu m	N/A	N/A
Lead	0.15 mg/cu m	0.05 mg/cu m	N/A	0.03 mg/cu m

SECTION 5

REGULATED IDENTIFICATION

DOT PROPER SHIPPING NAME..... N/A
DOT HAZARD CLASS..... N/A
SHIPPING ID NUMBER..... N/A
EPA HAZARDOUS WASTE ID NUMBER... D-008
EPA HAZARD WASTE CLASS..... Toxic Waste

SECTION 6

EFFECTS OF EXPOSURE

ENTRY ROUTE..... INHALE - YES INGEST - YES SKIN - YES EYE - YES

INHALATION..... If heated, fumes may produce respiratory irritation, fever, chills, muscular pain, vomiting, dizziness, sweating, and a metallic taste in mouth. Overexposure can cause a flu-like condition called Metal Fume Fever. Chronic inhalation of heated lead fumes cause brain, liver or kidney damage. REPRODUCTIVE TOXIN: Prenatal lead exposure may be associated with abnormalities in the central nervous system and/or neurobehavioral impairment of the fetus.

SKIN..... Fumes may cause irritation.

EYE..... Fumes may cause irritation.

INGESTION..... May cause abdominal pain, nausea, vomiting, diarrhea, gastroenteritis, internal cuts or obstructions. Chronic ingestion of lead may cause brain, liver, or kidney damage.

TARGET ORGANS... Lung, Skin, Eye irritant by heated fumes, Kidney, Liver, Central Nervous System.

CALIFORNIA..... Lead is listed by the state of California as known to cause cancer and birth defects, or other reproductive harm.

STATE LAW
PROPOSITION 65 If this product is further manufactured, processed or repackaged, notification must be clearly communicated for occupational exposure through MSDS's and labels and for consumers by a conspicuous label or in-store display. International Agency on Research for Cancer (IARC) classifies lead and some lead compounds as Group 2B carcinogens (possibly carcinogenic to humans). This classification is based primarily on the carcinogenicity of certain soluble lead salts in lab animals. Neither lead nor its insoluble salts appear to be carcinogenic to humans or lab animals.

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SECTION 7

EMERGENCY AND FIRST AID PROCEDURES - 303/623-5716 COLLECT

SKIN..... If irritation arises, wash thoroughly with soap and water. Seek medical attention if irritation persists.
EYES..... If fumes cause irritation, move to fresh air and irrigate eyes with water for 15 minutes. If irritation persists, seek medical attention. If eye is struck with wire, seek medical attention.
INHALATION... Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Call a poison control center or physician immediately.
INGESTION.... Drink water. DO NOT INDUCE VOMITING. Call a poison control center or physician immediately. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

SECTION 8

PHYSICAL AND CHEMICAL PROPERTIES

NFPA HAZARD SIGNAL..... HEALTH - 2 FLAMMABILITY - 0 STABILITY - 0 SPECIAL - NONE
BOILING POINT..... N/A
MELTING POINT..... 361 - 621 Degrees F
VAPOR PRESSURE..... N/A
VAPOR DENSITY (AIR = 1)... N/A
VOLATILE COMPONENTS..... N/A
SOLUBILITY IN WATER..... Insoluble
PH..... N/A
SPECIFIC GRAVITY..... 9 - 11.5
EVAPORATION RATE..... N/A
APPEARANCE..... Silver-Gray Wire Metal
ODOR..... None
WILL DISSOLVE IN..... N/A
MATERIAL IS..... Solid

SECTION 9

FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY..... LEL = N/A UEL = N/A
FLASHPOINT AND METHOD USED..... N/A
STABILITY..... Stable CONDITIONS TO AVOID: N/A HAZARDOUS DECOMPOSITION PRODUCTS: Lead fumes above melting point.
HAZARDOUS POLYMERIZATION..... Will not occur. MATERIALS TO AVOID: None
INCOMPATIBILITY/MAT. TO AVOID.... Strong Oxidizers, ACIDS OR BASES
SPECIAL FIRE FIGHTING PROCEDURE... FOR SMALL FIRES: Use dry chemical, CO(2), water or foam extinguisher. FOR LARGE FIRES: Evacuate area and call fire department immediately.

SECTION 10

SPILL AND DISPOSAL INFORMATION

SPILL OR LEAK PROCEDURES... Vacuum if possible. If fumes or dust exist, wear approved respiratory protection.
WASTE DISPOSAL..... Place all material in closed container and dispose of according to local, state and federal regulations.

SECTION 11

SAFE USAGE DATA

PROTECTIVE EQUIPMENT TYPES... EYES: Safety glasses with side shields. RESPIRATORY: NIOSH-approved respirator for toxic dust/fumes. GLOVES: Disposable cloth (never reuse) OTHER: Remove all work clothes if exposure exceeds PEL level.
VENTILATION..... GENERAL MECHANICAL: Necessary if soldering in non-ventilated area. LOCAL EXHAUST: Open doors and windows to remove fumes.
PRECAUTIONS..... HANDLING AND STORAGE: Respiratory protection is required for melting, grinding, dressing & soldering where airborne lead exposure are in excess of PEL limits. Practice good housekeeping and hygiene.

SECTION 12

MANUFACTURER OR SUPPLIER DATA

FIRM NAME & MAILING ADDRESS... OATEY CO., 4700 West 160th Street, P.O. Box 35906, Cleveland, Ohio 44135
OATEY PHONE NUMBER..... (216) 267-7100
EMERGENCY PHONE NUMBER..... (303) 623-5716 COLLECT

SECTION 13

DISCLAIMER

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